LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

			Perm	it To Enga	nge in Sur	rface Min	ing	
	_		Lz	AND RECLAN	AATION CO	MMISSION	•	
	Pur		and Reclan	OUNTY STO nation Act," R permit is here	SMo, 2001 by granted	, and on conto engage in	formity with the statements surface mining of	
	-	limesto				iri. The exte		
		oposed mining	•	•	18		nore or less. s: Renewal/Amendment	
County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Ray	15, 14	53N	28W	8	10	18	Maddux Road Quarry	1940
IN WIT?	T NESS WHEREOI	forth in "The as are pro	Land Recla omulgated p	mation Act," oursuant there	RSMo. 200 to by the La	ol, or in such and Reclaima day of	or all of the conditions set a rules and regulations tion Commission. October 2004 OIRECTOR OF STAFF d Reclamation Commission	
Permit No.	0905							
Effective Date	e 10/04/200	4						

Expiration Date

MO 780-1122 (6-95)

09/09/2005

RECEIVED

Permit 0905

MISSOURI DEPARTMENT OF NIGHT RESOURCES LAND RECLAMATION COMMISSION

SEP 1 5 7004

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES MISSOURI LAND P.O. BOX 176 JEFFERSON CITY, MO 65102-0176 PEC! AMATION COMMISSION NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL STATE 64084 MO TELEPHONE NUMBER President Jerem 1 816-470 FEES: COMPLETÉ SECTION I OR SECTION II SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel: 1. To compute the site fee complete the information below: For sites operated less than six months per SITE NAME OR NUMBER Mark each month that the site will be operated during permit year pay \$150 For sites operated six months or more per (add a separate sheet for additional sites) the permit year permit year pay \$300 Jaq, Feb, Mar, Apr, May, Jun, Jul, Alog, Sap, Oct, Nov, Dec Maddux Road Quarr 2. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 3. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 4. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 5. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 6. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec 7. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 8. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 9. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec \$ 10. Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec | \$ 300 TOTAL SITE FEE \$ 9000 2. Acreage Fee \$5 X number of acres bonded 3. Annual Permit Fee..... NOTE: If Total Fee exceeds \$2,500.00 then pay only\$2,500 N /A SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year: 1. Annual Permit Fee..... IGNATURE OF APPLICANT 9-13-04 Presiden Appeared before me this 20 day of to me personally known, who executed the above as their free acts and deeds. NOTARY PUBLIC EMBOSSER SEAL STATE OF COUNTY (OH CITY OF ST. LOUIS) ORN BEFORE ME, THIS JEANNA E. JACKŠŎŇ 14 DAY OF YEAR (USE RUBBER STAMP IN CLEAR AREA BELOW. Notary Public - Notary S STATE OF MISS DUR MY COMMISSION EXPIRES JEANNA E. JACKSON Ray County Notary Public - Notary Seal STÁTE OF MISSOURI My Commission Expires: Au Ray County
My Commission Fatores, April 25, 2007 FOR DEPARTMEN PERMIT NUMBER EXPIRATION DATE 105 0905



MISSOURI DEPARTMENT OF NA RESOURCES LAND RECLAMATION COMMISSION

RECEIVE Permit 0905

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MONTES 1 5 2004 FEES AND BONDING WORKSHEET

P.O. BOX 176 JEFFERSON CITY, MO 65102-0176

IAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDE RAY COUNTY STONE PY	ODULETS, LLC RECLAMATION COMMISSION	D6-02-04
EES: COMPLETE SÉCTION I OR SECTION	III	
	those mining more than 5,000 tons of sand and/or gravel:	
I. To compute the site fee complete the co	lumns and lines below:	
SITE NAME OR NUMBER Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
Maddux Road Quarry	Jaco, Felo, Mar, Apr., May, Joo, Jul, Alug, Sep., Oct., Nov., Dec	\$ 30000
MAGGERY HUAL WHALLY	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
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	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	
	TOTAL SITE FEE ►	\$
	es bonded	\$ 90°°
4. Total Fee (Add Totals from 1, 2 and 3).		\$ <u>890</u>
	ds \$2,500.00 then pay only	\$ <u>890°°</u> \$ 2,500 N/A
SECTION II. FEES: Sand or gravel operator	ors mining less than 5,000 tons per year:	
1. Annual permit fee	•••••	\$ 300
III. BONDING - for all except in-stream mine	sites:	
A. For sand and gravel operators mining	less than 5,000 tons/year:	
Number of new acres	X \$500 per acre	\$
B. For ALL other open pit operations:		
, , ,	••••	\$ 8,000
· · · · · · · · · · · · · · · · · · ·	X \$500 per acre	\$ 5000
		\$13,00D
Check here if adequate bonding is	s already posted.	- •

RECEIVED Permit 0905



MISSOURI DEPARTMENT OF NA LAND RECLAMATION COMMISS PERMIT APPLICATION FO	ION	ىرى IAI MINERAI MINES	1 5 2004 OURI LAND JEFFERSON CITY,	P.O. BOX 176
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDU	JAL	- RECLAMAT	ION COMMISSION	1]
Ray County Stone Pri	oducer	SIFF	06-02-0 STATE ZIP	CODE
17279 Maddux R	d	Rayville	MO	4084
CONTACT PERSON JEYEMY GYEEY, Pred CHECK ANY THAT APPLY	pident		16-470-	5580
□ New Permit ☐ New Permit Amendment	☐ Perr	nit Revision	xpansion	
SITE NAME OR NUMBER	ACREAGE	COUNTY, SECTION, T	LOCATION: OWNSHIP, RANGE (EAST OR W	/EST)
1. Maddux Road Quarry	1 10	RAY COUNTY, SE	14 Sec. 15, T53	
2.			1 14 SEC 14, T53	N. Rag
3.			1 1 2 2 1 1 1 1 2	1100
4.				
5.				
6.				
7.				
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9.				
10.				
11.				
12.	 			
13.				
14.				
15.			1	
		thin curren	t Mine	
_ •	ptal o	A 18 acres		
18.				
19.	ļ			
20.				
ATTACH ADDITIONAL SHEETS IF NECESSA SIGNATURE OF APPLICANT	BY	TITLE	DATE	
June 1		President	9.9.04	
Appeared before me this	day of Sept	5 , 20 04 ,		
to me personally known, who executed the ab	ove as their fre	e acts and deeds.	COUNTY (OR CITY OF ST. LOUIS)	
	ssour;		, , , , , , , , , , , , , , , , , , ,	

JEANNA E. JACKS ON BSCRIBED AND SWORN BEFORE ME. THIS
Notary Public - Notary Seal Day of
STATE OF MISSOUR STARY PUBLIC SIGNATURE
Ray County
My Commission Expires: Aug. 25/2007
NOTARY PUBLIC NAME (TYPED OF PRINTED) YEAR OU

MY COMMISSION EXPIRES

DATE APPROVED
9/22/04 PERMIT NUMBER EXPIRATION DATE

USE RUBBER STAMP IN CLEAR AREA BELOW

ATTACH FEES AND BONDING WORKSHEET.



MISSOURI DEPARTMENT OF JRAL RESOURCES LAND RECLAMATION COMMISSION

RECEWED Permit 0905

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINESEP 1 5 2004 FEES AND BONDING WORKSHEET

P.O. BOX 176 FFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVI	DUAL MISSOURI LAND	5.**	Y, MO 65102-0176
Ray County Stone Pr	oducers, LLC RECLAMATION COMMISS	HONDG-DZ.	-04
FEES: COMPLETE SECTION I OR SECTION	VII		
SECTION I. FEES: Open pit operators and	those mining more than 5,000 tons of sand and/or gravel:		
1. To compute the site fee complete the co	lumns and lines below:		
SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated six	x months or more
		per permit year pay \$3	100
Maddux Road QUATTY	Jan, Feb, Mar, Apr, May, Jbn, Jbl, Aug, Sep, Oct, Nov, Dec	\$ N/A	
	*	\$ Site	LERS
	 	\$ Will	pe,
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		renewal;
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ Permit	10905
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		10-1
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec		
	TOTAL SITE FEE ►	\$	
2. Acreage fee \$5 X 10 Number of acre	es bonded	\$ 5000	New -
3. Annual permit fee		\$500 N/ A To be Sult	omitted
4. Total Fee (Add Totals from 1, 2 and 3).	ν _γ	S 50 SENE	under separat
	ds \$2,500.00 then pay only	\$ 2,500 N //>	, separation
SECTION II. FEES: Sand or gravel operator	ors mining less than 5,000 tons per year:		
1. Annual permit fee	•••••	\$ 300	
III. BONDING - for all except in-stream mine	sites:		
A. For sand and gravel operators mining	less than 5,000 tons/year: X \$500 per acre	¢	
Number of new acres	A \$500 per acre	•	
B. For ALL other open pit operations:			
Minimum per permit		\$ <u>8,000</u>	
Acreage over eight acres	X \$500 per acre	\$5000	
TOTAL BONDING REQUIRED		\$ 13,000)
Check here if adequate bonding is	s already posted.		





MAY 1 2

To be completed for each separate area of dist	urbance associated v	with mining operations.	11 3 2002
SITE NAME OR NUMBER		PERMIT NUMBER	HECLAMATION COMMISSION
Maddux Road Qu	12551		COMMISSIC
COMPANY NAME	12119		
Ray County Ston	e Produ	cers, LLC	
COUNTY	T	BE 1/4	SECTION 15
Ray	1	5W 14	14
TOWNSHIP	RANGE		ACRES
T53N	R	28W	160
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)	<u> </u>		
N/A			
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FO	PR GRAVEL SITES)
Limestone		N/A	
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN C)NF)		
Robert Vandive			
ADDRESS	1		····
	and as	L .	
38611 West 7	ムニ 57	STATE	ZIP CODE
Richmond		MA	44085
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
MINERAL DEED		⊠ LEASE	04-02-02
☐ WARRANTY DEED		☐ VERBAL AGREEMENT	0.20.02
OTHER (DESCRIBE)			
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAI	N ONE)		
Ray County Sta	no Drad	icore 11	,
Ray County Stol	12 1124	UCCI DI LL	
36374 HWY T	•		
CITY		STATE	ZIP CODE
Camden		Mo	64017
SOURCE OF RIGHT TO MINE (CHECK ONE):		1010	DATE OF AGREEMENT
MINERAL DEED		X LEASE	04-02-02
☐ WARRANTY DEED		☐ VERBAL AGREEMENT	1 1 10 - UZ
OTHER (DESCRIBE):			
NOTE: Each site must be shown on a map an	d be included in a ρι	ublic notice and an approve	ed mine plan.
MO 780-1036 (11-00)			

P.O. BOX 176
JEFFERSON CONTENDS 442 VED

MAY 197002 SHORT TERM, FOR ONE PERMITY PARTY SHORT TERM, FOR ONE PERMITY PARK THE LIGO-ACTE. LONG-TERM MINNE PIZOT AT 24 A78 FOR THE LIGO-ACTE. THE LIGO-ACTE. LONG-TERM MINNE PIZOT AT 24 A78 FOR THE PROPERTY AT 24 A78 SHORT TERM, FOR TO LAND RECLAMATION COMMISSION PERMITTING DESCRIBE METHODS AND ECUMPRETI LIBER FOR TOPSOL REMOVAL. A TOPSOLI.	COMPANY NAME	
DISCORTIGNA FOR ONE PERMITTERS DE-ILL-02 through 12.31.52 III MISSOURI LAND DESCRIPTION OF SITE PRICE TO LAND RECLAMATION COMMISSION PERMITTING BY AFFUCANT ON PARCH OPERATOR, NELLUCING SOIL, VEERNAMANDER TO PERMITTING BY AFFUCANT ON PARCH OPERATOR, NELLUCING SOIL, VEERNAMANDER TO PERMITTING BY AFFUCANT ON PARCH OPERATOR, NELLUCING SOIL, VEERNAMANDER TO THOROGRAPHY. The LIGO-acte long-term mine plan area has not been mined previously and is characterized by level land transitioning into gentle to greep a gradient. The highest elevations are found in the central portion and extreme northwest corner of the property; are at that are generally devoid of vegetation except for some. SCI US and pasture grass. The highest areas have no appeal and very little overburden. The land is heavily timbered where it transitions to lower elevations in an arc dround the northwest we are generally everators. Topsoil in the lower elevations is emailed soft to be seen to propose the propose of the propose of the propose of the point of the sound of the propose of the point of the sound of the propose o	Ray COUNTY STONE Producers, LLC	MAY 1 3 2002
BLONG TERM FOR PERIOD THROUGH DATE. 05-16-02 through 12.3/52 and MISSOUPH LAND DESCRIPTION FOR PRIOR OPERATOR, INCLUSIONS SOIL VEET THROW TO VIDEO PROTOCOPERATOR. INCLUSIONS SOIL VEET THROW TO VIDEO PROTOCOPERATOR. SOIL VEET THROW TO VIDEO PROTOCOPERATOR. SOIL VEET THROW TO VIDEO PROTOCOPERATOR. SOIL VEET THROW TO VIDEO PROTOCOPE AND AND THROUGH CONTROL PROTOCOPE SOIL VEET THROW THE LIBERT THROUGH CONTROL PROTOCOPE SOIL VEET SOI		1 0 2002
The live-acre long-term mine plan area has not been mined previously and is characterized by level land transitioning into gentle to steep gradient. The highest elevations are found in the central portion and extreme northwest corner of the property; areas that are generally devoid of vegetation except for some scrub and pasture grass. The highest areas have no topsoil and very little overburden. The land is heavily timbered where it transitions to lower elevations in an arc around the northwest we arise soft the property permeters. Topsoil in the lower elevations remails of the three is more overburden present. A topsoil. A topsoil. A topsoil. A topsoil will be removed for repsoil and for subspinibly will be removed via track in pader. Because topsoil is poor to absent, up to 12 inches of subsoil will be removed for replacement. No removal of topsoil will be removed for replacement. No removal of topsoil will be necessary for the eight initial permit acres. Future removals of topsoil will be conducted as needed and wept at least an feet ahead of pit excavation. OESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STRAGE AND PROTECTION. As topsoil/subspil is removed by track loader it will be pushed at least and feet ahead of the planned excavation area and stored within permit boundaries. It will be shaped and seeded to control wind a water erpsion though storage areas have been identified for overburden on the eight initial permit acres, no topsoil storage areas have been identified for purburden on the eight initial permit acres, no topsoil it present on the eight initial permit acres.	SLONG TERM, FOR PERIOD THROUGH DATE: 05-110-02 €hrough 12-31-52	MISSOURI LAND
The ILO-acre long-term mine plan area has not been mined previously and is characterized by level land transitioning into gentle to greep gradient. The highest elevations are found in the central portion and extreme northwest corner of the property; are be that are generally devoid of vegetation except for some scrub and pasture grass. The highest areas have no toposoil and very little overburden. The land is heavily timbered where it transitions to lower elevations in an arc around the northwest, we and gouthwest permeters. Toposoil in the lower elevations remained but there is more overburden present. A TOPSOIL A TO	DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCL. TOPOGRAPHY	UDING SOIL, VEGETATION AND
and is characterized by level land transitioning into gentle to steep gradient. The highest elevations are found in the central portion and extreme northwest corner of the property; are as that are generally devoid of vegetation except for some, occub and pashire grass. The highest areas have no topsoil and very little overburden. The land is heavily timbered where it transitions to lower elevations in an arc around the northwest we and southwest perimeters. Topsoil in the lower elevations remained but there is more overburden present. ATOPSOIL MERICAGE DEPTH OF TOPSOIL, PRICAT TO LUND RECLAMATION COMMISSION FERMITING DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL After any trees or vegetation are cleared, the top 12 inches of topsoil and/or subsoil will be removed via track loader. Because topsoil will be removed via track loader. Because topsoil will be removed for replacement. No removal of topsoil will be removed for replacement. No removal of topsoil will be removed and weet at least an feet ahead of pit excavation. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STOPAGE AND PROTECTION As the topsoil subsoil is removed by track loader it will be pushed at least and feet ahead of the planned excavation area and stored within permit boundaries. It will be shaped and seeded to control wind a water erosion though storage areas have been identified for overburden pri the eight initial permit acres, no topsoil storage areas have been identified for purburden pri the eight initial permit acres, no topsoil storage areas have been dentitied. PEDUTINO PEDUTINO 100 STEEL MARRIED STOPAGE AND PROTECTION As proper to the eight initial permit acres, no topsoil storage areas have been identified for purburden pri the eight initial permit acres, no topsoil storage areas have been dentitied. PEDUTINO 100 STEEL MARRIED STOPAGE AND PROTECTION 101 STEEL MARRIED STOPAGE AND PROTECTION 102 STEEL MARRIED STOPAGE AND PROTECTION 103 STEEL MARRIED STOPAGE AND PROTECTION 104 STOPAGE AND PROTECTION STOPAGE AND		niped previous
portion and externe literatures contents of the property; arease that are generally devoid of vegetation except for some curve and pastile grass. The higher areas have no appoil and very little overburder. The land is heavily timbered where it transitions to lower elevations in an arc around the northwest we and southwest perimeters. Topsoil in the lower elevations remain open but there is more overburden present. A TOPSOIL MERIAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL After any trees or vegetation are cleared, the top 12. Inches of topsoil and/or subsoil will be removed via trach loader. Because topsoil is poor to absent, Up to 12 inches of subsoil will be removed for replacement. No removal of topsoil will be removed for replacement. No removal of topsoil will be removed for replacement. No removal of topsoil will be removed and wept at least an feet ahead of pit excavation. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION As topsoil/subsoil is removed by trach loader it will be pushed at least and feet ahead of the planned excavation area and stored within permit boundaries. It will be shaped and seeded to control wind a water erpsion. Though storage areas have been identified for overburden on the eight initial permit acres, no topsoil storage areas have been initial permit acres, no topsoil is present on the eight initial permit acres, no topsoil is present on the eight initial permit acres. PERMITTION PERMITTION STEENMENDEDWANE MADDAUX Road QUARTY	and is characterized by level land transitioning in	to sentle to
portion and externe literatures contents of the property; arease that are generally devoid of vegetation except for some curve and pastile grass. The higher areas have no appoil and very little overburder. The land is heavily timbered where it transitions to lower elevations in an arc around the northwest we and southwest perimeters. Topsoil in the lower elevations remain open but there is more overburden present. A TOPSOIL MERIAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL After any trees or vegetation are cleared, the top 12. Inches of topsoil and/or subsoil will be removed via trach loader. Because topsoil is poor to absent, Up to 12 inches of subsoil will be removed for replacement. No removal of topsoil will be removed for replacement. No removal of topsoil will be removed for replacement. No removal of topsoil will be removed and wept at least an feet ahead of pit excavation. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION As topsoil/subsoil is removed by trach loader it will be pushed at least and feet ahead of the planned excavation area and stored within permit boundaries. It will be shaped and seeded to control wind a water erpsion. Though storage areas have been identified for overburden on the eight initial permit acres, no topsoil storage areas have been initial permit acres, no topsoil is present on the eight initial permit acres, no topsoil is present on the eight initial permit acres. PERMITTION PERMITTION STEENMENDEDWANE MADDAUX Road QUARTY	Green gradient. The highest elevations are sound	of the 10
that are generally devial of vegetation except to some of some of some of the higher areas have no topsoil and very little overburder. The land is heavily timbered where it transitions to lower elevations in an arc around the northwest, we are good the property of the lower elevations in an arc around the northwest, we are good that there is more overburder present. A topsoil there is more overburder present. A topsoil there is more overburder present. A topsoil will be topsoil prior to land reclamation commission permitting. O - 9 NCHES (No) DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL After any trees or vegetation are cleared, the top 12. Inches of topsoil and/or subsoil will be removed via track loader. Because topsoil is poor to absent, up to 12 inches of subsoil will be removed for replacement. No removal of topsoil vill be removed for replacement. No removal of topsoil vill be necessary for the eight initial permit acres. Future removals of topsoil will be conducted as needed and kept at least an feet ahead of pit excavation. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION As topsoil/subsoil is removed by track loader it will be pushed at least and stored within permit boundaries. It will be shaped and seeded to control wind a water erpsion. Though storage areas have been identified for overburder on the eight initial permit acres, no topsoil storage areas have been initial permit acres, no topsoil storage areas have been initial permit acres. PEDWIT NO BESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION As topsoil and the planted to the planted of the planted excavation area and stored within permit acres, no topsoil storage areas have been identified for overburder on the eight initial permit acres, no topsoil is present on the eight initial permit acres. PEDWIT NO BESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND FROM THE ACRES AND THE ACRES AN	orthon and extreme northwest corner or the	The central
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL After any trees or vegetation are cleared, the top 12 Inches of topsoil and/or subsoil will be removed via track loader. Because topsoil is poor to absent, Up to 12 inches of subsoil will be removed for replacement. No removal of topsoil will be necessary for the eight initial permit acres. Future removals of topsoil will be conducted as needed and kept at least 20 feet ahead of pit excavation. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION As topsoil/subsoil is removed by track loader it will be pushed at least 200 feet ahead of the planned excavation area and stored within permit boundaries. It will be shaped and seeded to control wind & water erosion. Though storage areas have been identified for overburden on the eight initial permit acres, no topsoil storage areas have been. exemit acres, no topsoil is present on the eight initial permit acres. PERMIT NO. SITE NUMBERSHAME MADDIAN ROAD RULLY V.	possibility and appeally devoid of venetation except	hoperty; are be
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL After any trees or vegetation are cleared, the top 12 Inches of topsoil and/or subsoil will be removed via track loader. Because topsoil is poor to absent, Up to 12 inches of subsoil will be removed for replacement. No removal of topsoil will be necessary for the eight initial permit acres. Future removals of topsoil will be conducted as needed and kept at least 20 feet ahead of pit excavation. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION As topsoil/subsoil is removed by track loader it will be pushed at least 200 feet ahead of the planned excavation area and stored within permit boundaries. It will be shaped and seeded to control wind & water erosion. Though storage areas have been identified for overburden on the eight initial permit acres, no topsoil storage areas have been. exemit acres, no topsoil is present on the eight initial permit acres. PERMIT NO. SITE NUMBERSHAME MADDIAN ROAD RULLY V.	that are delicially done of the higher areas have	DI Some
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designated. No topsoil is present on the eight initial permit acres. PERMIT NO. SITE NUMBERINAME Maddux Road Quarry	control wind a water erasion. Though	Storage area
designated. No topsoil is present on the eight initial permit acres. PERMIT NO. SITE NUMBERINAME Maddux Road Quarry	have been identified for overburden on the	pieblis is
PERMIT NO. SITE NUMBER/NAME MADDIX ROAD QUATTY	permit acres on troppil storage arms have	E1911 111110
PERMIT NO. SITE NUMBER/NAME MADDIX ROAD QUATTY	designated No topsoil stolage aleas Mare	DEETI.
PERMIT NO. SITE NUMBER/NAME MADDIX ROAD QUATTY	Designates. No ropsoll is present on the	eight ininal
905 Maddux Road Quarry	reinit acres.	
		2 - 2 - 1
		PAGE 1 OF 5

B. SOIL	ETHODS A	ID LOCATION OF SPOIL PLACEMENT AND DISPOSAL		
VOY	ハリエ	to removal of over him	den will be neces	sary for
tha	y m	itial permit acres	Any overburden	removed
wi))	e stripped by track	loader and store	d adjacent
to	pit	te removal of overbut inal permit acres e stripped by track o, within permit b	pundaries, and use	ed for
bac	KA1	1 and grading.	,	RECEIVED
				MAY 1 3 2002
C. ACID M	IATERIAL	S		MISSOURI LAND
DESCRIBE M	METHODS A	ND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)	RECLAMATION COMMISSION
	noi	ne.		
	1 601			
				1
				1
		ON (GIVE ALL DIMENSIONS IN FEET)		
DESCRIBE	LOCATION	ND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS		
	1 -			
	Sec	Detail Map		
į.				
YES	NO			ı
	Ø	Will any excavation be at or within fifty feet (50'		
	X	Will any highwall consisting of unconsolidated re (NOTE: For unconsolidated materials left in pla way, and in no case may the excavation be cle one-half (1-½) times the depth of unconsolidate Commission.)	ice, a slope of no more than forty degrees user to the right of way than fifty feet or two	may start near the right of enty-five feet plus one and
	Ø	Will any excavation start at or within fifty feet (5 (NOTE: If the answer is "yes", a safety barrier r	•	
PERMIT NO.		0-0	SITE NUMBERINAME	
MO 780-1327 (11-00)	905	Maddux Road Qua	PAGE 2 OF 5
1	,			,

		h		
RECLAMATION PLAN - 10 CSR 40-10.02	20(2)(D)2.			
A. REVEGETATION (Attach additional she				
REVEGETATION MIX #1	PURPOSE OR LAND USE		PLANTING TIME	
I SOCIOLE METHODO AND SOLUDINESS TO DE MO	Wildlife	Spr 111	g (3/15 - 6/1)	
DESCRIBE METHODS AND EQUIPMENT TO BE US				
During the hre	of Spring to	iollowing topsoil	15Ub5011	
replacement 1	no Good mi	x will be broa	drag and	
1 op 10 centre (1)	THE THE THE		a casi aira	
narrowed. No	trees or sr	nrubs will be p	lanted RECEIN	VEL
		·		
			MAY 1 3	2002
ime and fertilizer will be applied accordi applied to all slopes exceeding 5:1.	ing to recommendations ma	ide, based on an analysis of soil text	ture and nutrients. Mulicipation C	LAND
applied to all slopes exceeding 5.1.		<u> </u>		J
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE	
	······			
orchard grass	8	Indigenous	N/A	
	Н	volunteer	14/7	l
A	1	Species		
Timothy Switchgrass Birdsfoot trefo	4	2/20123		1
Birdsfoot trefo	11 14			
	<i>'</i>			
REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OF	R PLANTING TIME	1
DESCRIBE METHODS AND EQUIPMENT TO BE US	SED FOR SEEDING OR PLANTING	,]
				1
Lime and fertilizer will be applied accord	ing to recommendations m	ade based on an analysis of soil tax	ture and nutrients. Mulch will be	1
applied to all slopes exceeding 5:1.	ing to recommendations in	ade, based on an analysis of son tex	ture and nathents. Mater will be	1
		T		-
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE	}
				1
				1
			1	
İ				
	!			
ATTACH ADDITIONAL SHEETS FOR AD	DITIONAL SEED MIXES			
ATTACH ADDITIONAL SHEETS FOR AD	DITIONAL SEED MIXES.	CITE NI IMPEDINANE		1
ATTACH ADDITIONAL SHEETS FOR ADPENDIT NO.	DDITIONAL SEED MIXES.	SITE NUMBERINAME MADDUX ROAD Q	warry	1

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DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The majority of the 160-acre Long-term Mine Phanon commission area will be reclaimed as wildlife area. No remaining slope will be greater than original Slopes prior to mining. In those areas where the original slope was much greater than prescribed for supporting vegetation for a wildlife area, siopes will be reduced to less than the original slope accordingly. See Post Mining Land Use map for designated water impoundment and wildlife areas.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

Spoil pile placed in mined put portions of pits will be graded as the pit advances. All other spoil areas will be graded within one year of permit expiration.

Topsoil will be replaced to a uniform depth of 12 inches and disced to reduce compaction. Topsoil will be replaced within one year of final grading of SPOIL Areas

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	12-Iriches	DF	root-grov	wth mea	lium
D. USE OF LAND WHEN RECLAIMED					
Estimate acreage of each land use below, a	fter reclamation			ESTIM	ATED ACRES:
Wildlife (forest or other habitat with livestock	excluded)			14)8	7.00
Agricultural (pasture, cropland, and horticult	ıral)				
Development (residential, industrial, and rec	reational)				
Water impoundments (for wildlife, agriculture	e, or development)			12	.00
PERMIT NO. 905		Mad.		d Quarry	
MO 780-1327 (11-00)					PAGE 4 OF

By my signature, I attest to the following:

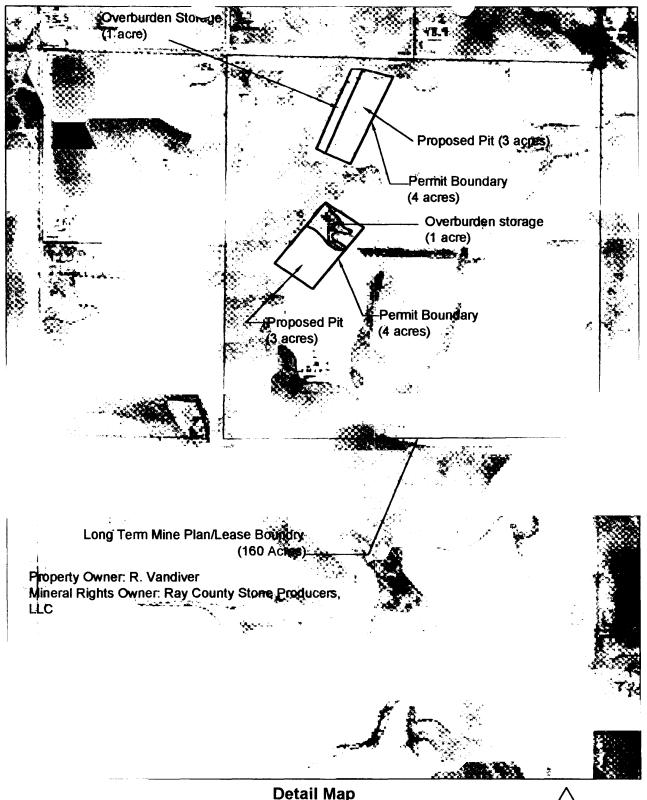
- 1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
- I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MAY 1 3 2002

MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	To Com	President		4-19-02	
NOTARY PUBLIC EMBOSSEROR BLACK INK RUBBER STAMP SEAL	SUBSCRIBED AND SWORN BEFORE ME, THIS	, 9 тН	COUNTY (OR CIT	·	
	DAY OF HPRIL	YEAR 2002	USE RUBBE	R STAMP IN CLEAR ARE	A BELOW.
	NOTARY PUBLIC SIGNATURE Complex	MY COMMISSION EXPIRES	N	JO ELIEN CAMPBELL otary Public - Notary Seal STATE OF MISSOURI	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) JOELLEN AM	PBELL	i 1	RAY COUNTY OMMISSION EXP. FEB. 27,200	1
APPROVED BY (DIRECTOR'S REPR	ESĢNTATIVE)	DATE APPROVED	·	PERMIT NUMBER	
Aug St	my	8-8-02	2	905	
VIO 780-1327 (11-00)	7				PAGE 5 OF 5



Detail Map

Ray County Stone Producers, LLC Maddux Road Quarry Rayville, Missouri T53N, Sections 14&15, R28W

Prepared by: H. Paustian

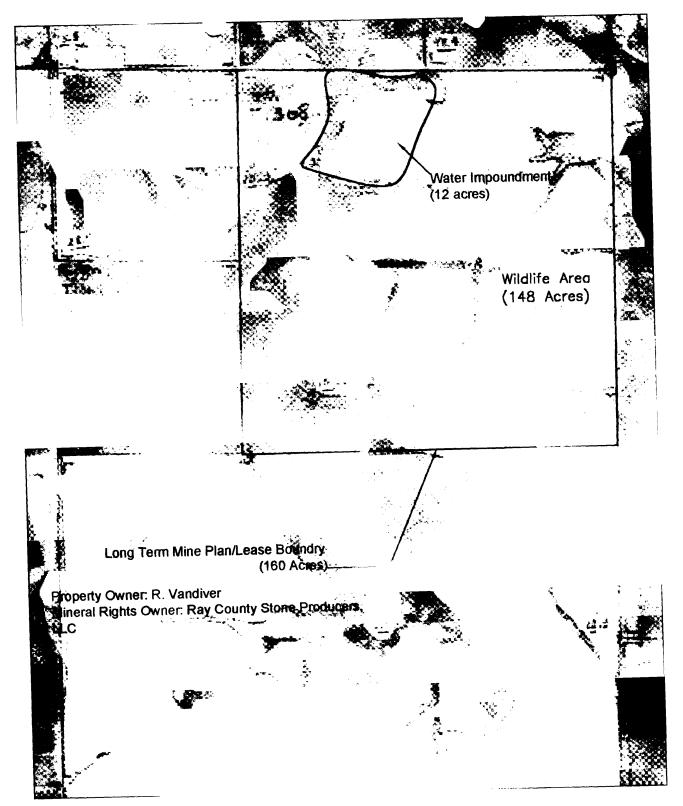
04/16/02



Scale: 1"=660'

Note: No prior mining has taken place within the Long Term Mine Plan area. No creeks RECEI or streams within the Long Term Mine Plan area.

MAY 1 3 2002



Post Mining Land Use Map

Ray County Stone Producers, LLC Maddux Road Quarry Rayville, Missouri T53N, Sections 14&15, R28W

Prepared by: H. Paustian

04/16/02



Scale: 1"=660'

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MAY 1 3 2002